#### NFSL Thesis/ Reports

Archeological-Environmental Research Corp.

## Fire Protection Study Challis National Forest 1976

Archeological-Environmental Research Corporation

# FIRE PROTECTION STUDY CHALLIS NATIONAL FOREST 1976

U.S. Dept. of Agriculture Purchase Order No. 549-R4-76

Archeological-Environmental
Research Corporation
P.O. Box 17544
S.L.C., Utah
84117

### Challis National Forest Fire Protection Study

Information for the preparation of this study has been obtained from the following sources:

- 1. Staff personnel of the Challis National Forest;
- 2. Staff personnel and records of the Division of Recreation, Lands and Minerals, Region 4, U.S. Forest Service; and
- 3. Land status records, maps, and documents made available by the various recorder's offices in the Custer, Lemhi, Valley, and Butte County Courthouses.

### CHALLIS NATIONAL FOREST DISTRICT TOTALS

| District         | Total Acres Non-Nat. Forest | Total Acres<br>Presently<br>Reinbursed   | Total Non-Forest<br>Acres Not Rein-<br>bursed at Present |
|------------------|-----------------------------|--|--|
| D <b>-1</b>      | 3 <b>,</b> 876 <b>.</b> 99  | 1,280.00   | 2,596.99   |
| TO 0             | 2 702 10                    | 120 E7   | 2 640 62   |
| D <b>-</b> 2     | 2,782.19                    | 132.57   | 2,649.62   |
|                  |                             |  |  |
| D-3              | 4,018.98                    | 1,920.00   | 2,098.98   |
|                  |                             |  |  |
| D <b>-</b> 4     | 6,662.00                    | 2,726,65   | 3,935.35   |
|                  | -                           | Management of the second of th |  |
| FOREST<br>TOTALS | 17,340.16                   | 6,059.22   | 11,280.94  |

STATE IDAHO

COUNTY CUSTER - LEMHI - VALLEY \* B&M Boise

| STATE     | LDAH        | J                          | COUN                                      | TA COST                        | LEK - P       | EMHT -        | ATTTEA B8                 | M Boise                                   |
|-----------|-------------|----------------------------|---|--------------------------------|---------------|---------------|---------------------------|---|
|           | cation      |                            | Acres                                     | Acres Non National Forest      |               |               |                           | TOTAL                                     |
| Town-ship | Range       | Sect.                      | Private                                   | State                          | City-<br>Co.  | Other<br>Fed. | bursed<br>Timber<br>Acres | ACRES Non Nat.For.                        |
| 14N       | 11E         | 4<br>5<br>9<br><b>1</b> 6  | 102.40<br>58.75<br>1.00<br>15.00          |                                | ਜ਼<br>/.<br>* |               |                           | 102.40<br>58.75<br>1.00<br>15.00          |
| ·         |             | 20.00<br>21<br>28          | 5.00<br>259.49<br>30.00                   |                                |               |               |                           | 5.00<br>259.49<br>30.00                   |
| 14N       | 12E         | 5 -                        | 15.15                                     |                                |               |               |                           | 15.15                                     |
| 15N       | 11E         | 31 `<br>32                 | 33.00<br>40.88                            | 1                              |               |               |                           | 33.00<br>40.88                            |
| 15N       | 12E         | 3 <b>1</b><br>32           | 68.54<br>5.00                             |                                |               | ·             |                           | 68.54<br>5.00                             |
| 16N       | 12E         | 15<br>16<br>17<br>20<br>21 | 26.63<br>46.62<br>22.10<br>29.10<br>18.35 | ·                              |               |               |                           | 26.63<br>46.62<br>22.10<br>29.10<br>18.35 |
| 16N       | 13E         | 5<br>6<br>7<br>8           |   | 22.33<br>8.22<br>40.36<br>1.38 |               |               |                           | 22.33<br>8.22<br>40.36<br>1.38            |
| 16N       | 14E         | 14<br>15<br>23<br>24<br>25 | 11.00<br>7.00<br>20.41<br>46.00<br>36.00  |                                |               |               |                           | 11.00<br>7.00<br>20.41<br>46.00<br>36.00  |
| 17N       | 14E         | 15<br>22                   | 116.91<br>5.00                            |                                |               |               |                           | 116.91<br>5.00                            |
| 18N       | <b>1</b> 4E | 28<br>29                   |   | 52.87<br>12.50                 |               |               |                           | 52.87<br>12.50                            |
| 15N*      | 8E          | 16<br>36                   |   | 640.00<br>640.00               |               | ·             |                           | 640.00<br>640.00                          |
| 17N*      | 12E         | 16<br>27                   | 40.00                                     | 640.00                         |               |               | 640.00                    | 640.00                                    |
|           |             | 34<br>36                   | 120.00                                    | 640.00                         |               |               | 640.00                    | 120.00<br>640.00                          |
|           |             |                            | <b>*.</b>                                 |                                |               |               |                           |   |
|           |             |                            |   |                                |               |               |                           | •   |

<sup>\*</sup>Previously Boise National Forest, presently administered by the Challis National Forest.

STATE IDAHO

COUNTY CUSTER, LEMHI, VALLEY

B&M BOISE

|       |        | ation |       | Acres    | Non Nat | orest | Reim- | TOTAL            |              |
|-------|--------|-------|-------|----------|---------|-------|-------|------------------|--------------|
| •     | Town-  | Range | Sect. | Private  | State   | City- | Other | bursed<br>Timber | ACRES<br>Non |
|       | ship   |       |       |          |         | Co.   | Fed.  | Acres            | Nat.For.     |
|       |        |       |       |          |         |       |       |                  |              |
|       | 14N.   | llE.  |       | 471.64   |         |       |       |                  | 471.64       |
|       | 14N.   | 12E.  |       | 15.15    |         |       |       |                  | 15.15        |
|       | 15N.   | llE.  |       | 73.88    |         |       |       |                  | 73.88        |
|       | 15N.   | 12E.  |       | 73.54    |         |       |       |                  | 73.54        |
|       | 16N.   | 12E.  |       | 142.80   |         |       |       |                  | 42.80        |
|       | 16N.   | 13E.  |       | * * .    | 72.29   |       | ,     | •                | 72.29        |
|       | 16N.   | 14E.  |       | 120.41   |         |       |       |                  | 120.41       |
|       | 17N.   | 14E.  |       | 121.91   |         |       |       |                  | 121.91       |
|       | 18N.   | 14E.  |       |          | 65.37   |       |       |                  | 65.37        |
|       | 15N.   | 8E.   |       |          | 280.00  |       |       |                  | 1280.00      |
|       | 17N.   | 12E.  |       | 160.00   | 280.00  |       |       | 1280.00          | 1440.00      |
|       |        |       |       |          |         |       |       |                  |              |
|       |        |       |       |          |         |       |       |                  |              |
| D-1 T | otals: | -     |       |          |         | -0-   | -0-   | 1280.00          | 3876.99      |
| D-1 T | otals: |       |       | 1179.332 |         | -0-   | -0-   | 1280.00          | 3876.99      |
| D-1 I | otals: |       |       |          |         | -0-   | -0-   | 1280.00          | 3876.99      |
| D-1 T | otals: |       |       |          |         | -0-   | -0-   | 1280.00          | 3876.99      |
| D-1 T | otals: |       |       |          |         | -0-   | -0-   | 1280.00          | 3876.99      |
| D-1 T | otals: |       |       |          |         | -0-   | -0-   | 1280.00          | 3876.99      |
| D-1 T | otals: |       |       |          |         | -0-   | -0-   | 1280.00          | 3876.99      |
| D-l T | otals: |       |       |          |         | -0-   | -0-   | 1280.00          | 3876.99      |
| D-1 T | otals: |       |       |          |         | -0-   | -0-   | 1280.00          | 3876.99      |
| D-l T | otals: |       |       |          |         | -0-   | -0-   | 1280.00          | 3876.99      |
| D-1 T | otals: |       |       |          |         | -0-   | -0-   | 1280.00          | 3876.99      |
| D-l T | otals: |       |       |          |         | -0-   | -0-   | 1280.00          | 3876.99      |
| D-1 T | otals: |       |       |          |         | -0-   | -0-   | 1280.00          | 3876.99      |
| D-l T | otals: |       |       |          |         | -0-   | -0-   | 1280.00          | 3876.99      |
| D-1 T | otals: |       |       |          |         | -0-   | -0-   | 1280.00          | 3876.99      |
| D-1 T | otals: |       |       |          |         | -0-   | -0-   | 1280.00          | 3876.99      |
| D-1 T | otals: |       |       |          |         | -0-   | -0-   | 1280.00          | 3876.99      |

STATE IDAHO

COUNTY

CUSTER - LEMHI

B&M Boise

| STATE_            | LDAHO       | ·               | COUN'                          | TY CU   | STER -  | TEMHT | B8            | M Boise  |
|-------------------|-------------|-----------------|--------------------------------|---------|---------|-------|---------------|--|
| Loc               | ocation     |                 | Acres                          | Non Nat | ional I | orest | Reim-         | TOTAL  |
| Town-             | Range       | Sect.           | Private                        | State   | City-   | Other | bursed        | ACRES  |
| ship              |             |                 | 22200                          |         | Co.     | Fed.  | Timber        | Non  |
|                   |             |                 |                                |         |         |       | Acres         | Nat.For.   |
| 11N               | 21E         | 4               | 120.00                         |         |         |       |               | 120.00   |
| <b>1</b> 3N       | <b>1</b> 8E | 4               | 36.32                          |         |         |       |               | 36.32  |
| * .               |             | 4<br>5<br>8     | 17.00<br>101.11                |         |         |       |               | 17.00<br>101.11  |
|                   |             | 9               | 15.00                          |         |         |       |               | 15.00  |
|                   |             | 16              | 3.00                           |         |         |       |               | 3.00   |
|                   |             | 21              | 48.81                          |         |         |       |               | 48.81  |
|                   |             | 22<br>29        | 21 <b>.11</b><br>3 <b>.</b> 83 |         |         |       |               | 21.11<br>3.83  |
| 14N               | 17E         | 26              | 8.00                           |         |         |       |               | 8.00   |
| 1 <del>4</del> 11 | 1/6         | 27              | 125.78                         |         | * 1     |       |               | 125.78   |
| • • •             |             | 34              | 18.00                          |         |         |       |               | 18.00  |
| 14N               | 18E         | 4<br>5          | 195.85                         |         | •       |       |               | 195.85   |
|                   |             | 5               | 88.08                          |         |         |       |               | 88.08  |
|                   |             | 6<br>28         | 2.98<br>35.00                  |         |         |       |               | 2.98<br>35.00  |
| 1 A M             | 23E         |                 | 73.78                          |         |         |       |               | 73.78  |
| 14N               | کار کا<br>ا | 5<br><b>1</b> 3 | 16.00                          |         |         |       |               | 16.00  |
|                   |             | 14<br>15        | 310.00                         | ٠,      | .*      |       |               | 310.00   |
|                   |             | 15              | 185.00                         |         | ,       |       |               | 185.00   |
| 15N               | 15E         | 1               | 79.81                          |         |         |       |               | 79.81  |
| 15N               | 16E         | 6               | 23.00                          |         |         |       |               | 23.00  |
| 15N               | 18E         | 26              | 37.50                          |         |         |       |               | 37.50  |
| 16N               | 15E         | 19              | 4.59                           |         |         |       |               | 4.59   |
|                   |             | 30              | 66.70                          |         |         |       |               | 66.70  |
| 16N               | 17E         | 4               | 5.00                           |         |         |       |               | 5.00<br>100.00   |
|                   |             | 2               | 100.00<br>42.00                | · .     |         |       |               | 42.00  |
|                   |             | 589             | 42.00<br>5.00                  |         |         |       |               | 5.00   |
| 16N               | 18E         | 13              | .96                            | 1.6     |         |       |               | .96  |
| 16N               | <b>1</b> 9E | 6               | 24.62                          |         |         |       |               | 24.62  |
|                   |             | 7               | 49.73                          |         |         |       |               | 49.73  |
|                   |             | 18              | 48.30                          | 1       |         |       |               | 48.30  |
| 16N*              | 21E         | 11              | 89.50                          |         |         |       | 89.50         | 89.50  |
|                   |             | 12<br>14        | 38.50<br>4.57                  |         |         |       | 38.50<br>4.57 | 38.50<br>4.57  |
| 4 (757            | 4.073       | ,               | 4                              |         | -       |       | 7071          | 1  |
| 17N               | 18E         | 25<br>36        | 108 <b>.</b> 11<br>20.00       |         |         |       |               | 108.11 20.00   |
| V                 |             |                 |                                |         |         |       |               |  |
|                   |             | 1               |                                |         | •••     |       |               | The state of the s |
|                   |             | , - ·           | !                              | l e     | 1       | F     | У             | 1  |

<sup>\*</sup> Previously Salmon National Forest, presently administered by the Challis National Forest.

Page 2

STATE IDAHO COUNTY CUSTER - LEMHI B&M Boise Acres Non National Forest Location Reim-TOTAL Town- Range Sect. bursed ACRES Private State City-Other ship Timber Non Co. Fed. Acres Nat. For. 83.00 17N 19E 83.00 18 19 20 26.00 26.00 59.36 30.80 59.36 30.80 21 29 30 31 32 242.00 242.00 10.00 10.00 133.49 133.49 23.00 23.00 2.00 18N 16E 36 2.00

NATIONAL FOREST CHALLIS UNIT D-2 TOTALS Page 3

COUNTY CUSTER - LEMHI IDAHO BOISE STATE B&MLocation Non National Forest TOTAL Acres Reim-Town-Range Sect. bursed ACRES Private State City-Other ship Timber Non Co. Fed. Nat. For. Acres llN. 21E. 120.00 120.00 18E. 13N. 246.18 246.18 14N. 17E. 151.78 151.78 14N. 18E. 321.91 321.91 14N. 23E. 584.78 584.78 15N. 15E. 79.81 79.81 15N. 16E. 23.00 23.00 15N. 18E. 37.50 37.50 16N. 15E. 71.29 71.29 16N. 17E. 152.00 152.00 •96 16N. 18E. .96 16N. 19E. 122.65 122.65 16N. 21E. 132.57 132.57 132.57 17N. 18E. 128.11 128.11 17N. 19E. 607.65 607.65 16E. 18N. 2.00 2.00 D-2 Totals: 2782.19 -0-<del>-</del>0--0-132.57 2782.19

STATE IDAHO CUSTER COUNTY B&M Boise Location Non National Forest Reim-Acres TOTAL Town- Range Sect. bursed ACRES Private: City-State Other ship Timber Non Co. Fed. Acres Nat. For. 17E 640.00 9N36. 640.00 640.00 9N18E 36 640.00 640.00 640.00 10N 18E 16 640.0d 640.00 640.00 11N 15E 4 5.00 5.00 5 78.00 78.00 2 12N 11E 57.15 57.15 13 185.16 185.16 24 61.45 61.45 12N 12E 18 71.15 71.15 15E 7 12N 11.00 11.00 8 166.36 166.36 5.50 109.34 5.50 9 10 109.34 14 81.89 81.89 37.26 56.19 37.26 56.19 15 17 22.25 19 22.25 20 238.08 238.08 156.53 29 156.53 32 105.00 105.00 18E 15.00 12N 5 15.00 8 19.88 19.88 32 36.49 36.49 13N 15E 16 10.19 10.19 55.13 50.30 55.13 50.30 19 20 21 80.99 80.99 113.51 32 13N 18E 113.51 34 210.19 210.19 11 14N 13E 28.00 28.00 115.63 115.63 14 128.74 15 128.74 22 1.00 1.00 15N 13E 28 59.99 59.99

NATIONAL FOREST CHALLIS UNIT D-3 TOTALS Page 2

STATE IDAHO COUNTY CUSTER B&M BOISE Location Acres Non National Forest Reim-TOTAL : Town- Range Sect. bursed ACRES Private State City-Other Timber Non ship Co. Fed. Nat. For. Acres 9N. 17E. 640.00 640.00 640.00 9N. 18E. 640.00 640.00 640.00 10N. 18E. 640.0d 640.00 640.00 llN. 15E. 83.00 83.00 12N. 11E. 303.76 303.76 12N. 12E. 71,15 71.15 12N. 15E. 989.40 989.40 12N. 18E. 71.37 71.37 13N. 15E. 196.61 196.61 13N. 18E. 323.70 323.70 14N. 13E. 273.37 273.37 15N. 13E. 59.99 59.99 2098.98 1920.00 1920.00 4018.98 D-3 Totals: -0--0-

25.00

51.00 73.38

29 35 36 25.00

51.00

73.38

NATIONAL FOREST CHALLIS Page 1 UNIT D-4 STATE IDAHO COUNTY CUSTER - BUTTE B&M Boise Location Acres Non National Forest Reim-TOTAL Town-Range Sect. bursed ACRES Private State City-Other ship Timber Non Co. Fed. Acres Nat. For. 3N22E 23 40.00 40.00 24 40.00 40.00 19 3N 23E 77.41 77.41 24 160.00 160.00 5 3N 24E 305.79 305.79 40.00 40.00 4N 21E 3 51.98 51.98 10 5.00 5.00 11 30.22 30.22 13 4N 23E 36.02 36.02 60.44 14 60.44 313.56 23 313.56 24 117.88 117.88 26 52.14 52.14 27 173.01 173.01 34 •79 • 79 6N 19E 15 10.00 10.00 22 10.66 10.66 2 6N 21E 43.00 43.00 34 35 6N 22E 100.94 100.94 77.00 77.00 (**1**) 151.47 6N 151.47 23E 2 .59 •59 36 801.84 6N 801.84 801.84 24E 6N 26E 25 120.00 120.00 36 644.81 644.81 644.81 36 6N 99.20 27**E** 99.20 40.46 6N 31 28E 40.46 19E 25 .81 .81 7N 56.00 26 56.00 35 36 12.00 12.00 13.00 13.00 20 118.11 118.11 7N20E 4.00 7.00 4.00 7.00 21 28

NATIONAL FOREST CHALLIS UNIT D-3 TOTALS Page 2

|                 | STATE IDAHO |       |       | COUNTY CUSTER             |         |              |               | B&M BOISE                 |                          |  |
|-----------------|-------------|-------|-------|---------------------------|---------|--------------|---------------|---------------------------|--------------------------|--|
|                 | Location    |       |       | Acres Non National Forest |         |              |               | Reim- TOTAL               |                          |  |
|                 | Town-ship   | Range | Sect. | Private                   | State   | City-<br>Co. | Other<br>Fed. | bursed<br>Timber<br>Acres | ACRES<br>Non<br>Nat.For. |  |
|                 | 9N•         | 17E.  |       |                           | 640.00  | 7            |               | 640.00                    | 640.00                   |  |
| ,               | 9N.         | 18E.  |       |                           | 640.00  |              |               | 640.00                    | 640.00                   |  |
|                 | lon.        | 18E.  |       |                           | 640.00  |              |               | 640.00                    | 640.00                   |  |
|                 | llN.        | 15E.  |       | 83.00                     |         |              |               |                           | 83.00                    |  |
|                 | 12N.        | llE.  |       | 303.76                    |         |              |               |                           | 303.76                   |  |
|                 | 12N.        | 12E.  | ·     | 71.15                     |         |              | 1             |                           | 71.15                    |  |
|                 | 12N.        | 15E.  |       | 989.40                    |         |              |               |                           | 989.40                   |  |
|                 | 12N.        | 18E.  |       | 71.37                     |         |              |               |                           | 71.37                    |  |
|                 | 13N.        | 15E.  |       | 196.61                    |         |              |               |                           | 196.61                   |  |
|                 | 13N.        | 18E.  |       | 323.70                    |         |              |               |                           | 323.70                   |  |
|                 | 14N.        | 13E.  |       | 273.37                    |         |              |               |                           | 273.37                   |  |
|                 | 15N.        | 13E.  |       | 59.99                     |         |              |               |                           | 59.99                    |  |
| D <b>-</b> 3 To | tals:       |       | . ·   | 2098.98                   | 1920.00 | -0-          | -0-           | 1920.00                   | 4018.98                  |  |
|                 |             |       |       |                           |         |              |               |                           | ,020.90                  |  |
| *               |             |       |       |                           |         |              |               |                           |                          |  |
|                 |             |       |       |                           |         |              |               |                           |                          |  |
|                 |             |       |       |                           |         |              |               |                           |                          |  |
|                 |             |       | * *   |                           |         |              |               |                           |                          |  |
|                 | ,           |       |       |                           |         |              |               |                           |                          |  |
|                 |             |       |       |                           |         |              |               |                           | ·<br>·                   |  |

CUSTER - BUTTE - LEMHI B&M Boise STATE IDAHO COUNTY Location Acres Non National Forest Reim-TOTAL Town-Range Sect. bursed ACRES Private State City-Other ship Timber Non Co. Fed. Acres Nat.For. 7N21E 29 7.00 7.00 30 10.00 10.00 31 32 33 114.37 114.37 33.00 33.00 125.00 125.00 35 120.00 120.00 .12 36 .12 16 7N22E 640.00 640.00 640.00 35 36 7N23E 5.70 5.70 226.70 226.70 2 7N25E 119.65 119.65 29E 5 47.51 7N47.51 8N 20E 16 640.00 640.00 640.00 8N 25E 10 88.38 88.38 5.00 11 5.00 15 28.00 28.00 35 40.29 40.29 81 29E 32 94.60 94.60 9N28E 16 7.00 7.00 40.20 40.20. 17 20 10.10 10.10 7 12N 26E 5.00 5.00 5.00 5.00 8 132.34 132.34 17 4.00 4.00 18 27 1.14 1.14 28 •49 .49 20.00 20.00 33 34 127.24 127.24

NATIONAL FOREST CHALLIS UNIT D-4 TOTALS Page 3

|                                       | STATE IDAHO COUNTYCUSTER, BUTTE, LEMHI B&M |                   |   |                  |                    |  |                        |                                    |                          |
|---------------------------------------|--|-------------------|---|------------------|--------------------|--|------------------------|------------------------------------|--------------------------|
|                                       |  | cation<br>- Range |   | Acres<br>Private | Non Nat<br>  State |  | orest<br>Other<br>Fed. | Reim-<br>bursed<br>Timber<br>Acres | TOTAL ACRES Non Nat.For. |
|                                       | 3N•  | 22E.              |   | 80.00            |                    |  |                        | ACLES                              | 80.00                    |
|                                       | 3N•  | 23E.              |   | 237.41           |                    |  |                        |                                    | 237.41                   |
|                                       | 3N•  | 24E.              |   | 345.79           |                    |  |                        |                                    | 345.79                   |
| *                                     | 4N.  | 21E.              |   | 87.20            |                    |  |                        |                                    | 87.20                    |
|                                       | 4N.  | 23E.              |   | 753.84           |                    |  |                        |                                    | 753.84                   |
|                                       | 6N.  | 19E.              |   | 20.66            |                    |  |                        |                                    | 20.66                    |
|                                       | 6N.  | 21E.              |   | 43.00            |                    |  |                        |                                    | 43.00                    |
|                                       | 6N.  | 22E.              |   | 177.94           |                    |  | ·                      | •                                  | 177.94                   |
|                                       | 6N.  | 23E.              |   | 152.06           |                    |  | <b>5</b> 1             |                                    | 152.06                   |
| 1.                                    | 6N.  | 24E.              |   |                  | 801.84             |  | -                      | 801.84                             | 801.84                   |
|                                       | 6N.  | 26E.              |   | 120.00           | 644.81             |  |                        | 644.81                             | 764.81                   |
|                                       | 6N.  | 27E.              | * | 99.20            |                    |  |                        |                                    | 99.20                    |
|                                       | 6N.  | 28E.              |   | 40.46            |                    |  |                        |                                    | 40.46                    |
|                                       | 7N.  | 19E.              |   | 81.81            |                    |  |                        |                                    | 81.81                    |
|                                       | 7N.  | 20E.              |   | 278.49           |                    |  |                        |                                    | 278.49                   |
|                                       | 7N.  | 21E.              |   | 409.49           |                    |  |                        |                                    | 409.49                   |
| * 4.                                  | 7N.  | 22E.              |   |                  | 640.00             |  |                        | 640.00                             | 640.00                   |
|                                       | 7N.  | 23E.              |   | 232.40           |                    |  |                        |                                    | 232.40                   |
| e e e e e e e e e e e e e e e e e e e | 7N.  | 25E.              |   | 119.65           |                    |  |                        |                                    | 119.65                   |
|                                       | 7N.  | 29E.              |   | 47.51            |                    |  |                        |                                    | 47.51                    |
|                                       | 8N.  | .20E.             |   |                  | 640.00             |  |                        | 640.00                             | 640.00                   |
|                                       | 8N•  | 25E.              |   | 161.38           |                    |  |                        |                                    | 161.38                   |
| ≥n.                                   | 8N.  | 29E.              |   | 94.60            |                    | and the state of t |                        |                                    | 94.60                    |
|                                       | 9N.  | 28E.              |   | 57.30            |                    |  |                        |                                    | 57.30                    |
|                                       | 12N.                                       | 26E.              |   | 295.21           |                    |  |                        |                                    | 295.21                   |
| D <b>-</b> 4                          | Totals:                                    |                   |   | 3935.35          | 2726.65            | -0-  | -0-                    | 2726.65                            | 6662.00                  |



